

In The Claims

1. (currently amended) A plasmid containing a cDNA sequence which encodes a protein designated p53as, said p53as being sequentially the same as wildtype p53 up to the final 50 carboxy terminal amino acids of p53, said p53as being different than p53 within the final 50 carboxy terminal amino acids of p53 so as to lack a negative regulatory domain of p53 for p53 sequence specific DNA binding found within the last 50 amino acids at the p53 carboxy terminus, which negative regulatory domain must be activated in p53 for p53 to have active DNA binding, said p53as and activated p53 binding to the same p53 DNA binding sequence AGGCATGCCT/AGGCATGCCT, SEQ. I.D. NO. 5 and said p53as being different than p53 within the final 50 carboxy terminal amino acids of p53 so as to provide an epitope within said p53as which gives rise to an antibody which is reactive with the p53as but not with p53.

2. (canceled)

3. (original) The plasmid of Claim 1 wherein the p53as naturally occurs in a mammal.

4. (original) The plasmid of Claim 1 wherein the p53as is mouse p53as.

5. (currently amended) A viral vector containing a cDNA sequence which encodes a protein designated p53as, said p53as being ~~functionally equivalent in growth regulation to active~~ sequentially the same as wildtype p53, ~~said p53 and p53as being sequentially the same~~ up to the final 50 carboxy terminal amino acids of p53, said p53as being different than p53 within the final 50 carboxy terminal amino acids of p53 so as to lack a negative regulatory domain of p53 for p53 sequence specific DNA binding found within the last 50 amino acids at the p53 carboxy terminus, which negative regulatory domain must be activated in p53 for p53 to have active DNA binding, said p53as and activated p53 binding to the same p53 DNA binding sequence AGGCATGCCT/AGGCATGCCT,

SEQ. I.D. NO. 5, and said p53as being different than p53 within the final 50 carboxy terminal amino acids of p53 so as to provide an epitope within said p53as which gives rise to an antibody which is specific for p53as protein only reactive with the p53as but not with p53.

6. (original) The viral vector of Claim 5 wherein the vector is baculovirus vector.

7. (canceled)

8. (original) The viral vector of Claim 5 wherein the p53as naturally occurs in a mammal.

9. (original) The viral vector of claim 6 wherein the p53as naturally occurs in a mammal.

10. (original) The viral vector of Claim 5 wherein the p53as is mouse p53as.

11. (original) The viral vector of Claim 6 wherein the p53as is mouse p53as.

12. (withdrawn)

13. (withdrawn)

14. (withdrawn)

15. (previously amended) A plasmid containing a p53as gene sequence encoding the peptide SLRPFKALVREKGHRPSHSC (SEQ. ID.D NO. 1).

*and of*

consists of a polypeptide

16. (currently amended) A The plasmid of Claim 1 containing a p53as gene sequence encoding a portion of the peptide SLRPFKALVREKGHRPSHSC, SEQ. I.D. NO. 1, which peptide will raise an antibody response which gives rise to an antibody which is reactive with the p53as but not with p53.

17. (previously added) A cell transfected with the plasmid of Claim 1.

18. (previously added) A cell transfected with the viral vector of Claim 5.

19. (currently amended) A The viral vector of Claim 5 containing a p53as gene sequence encoding a portion of the peptide SLRPFKALVREKGHRPSHSC, SEQ. ID.D NO. 1, which peptide will raise an antibody response which gives rise to an antibody which is reactive with the p53as but not with p53.